PLUMBING ABBREVIATIONS

AC AIR COMPRESSOR AD ACESS DOOR FOR ACCESS DOOR F					
AFG ABOVE FINISHED GRADE AR APPLIANCE REGULATOR APPLIANCE REGULATOR BFP BACKFLOW PREVENTER BT BATHTUB BTU BRITISH THERMAL UNIT BV BALANCING VALVE BRID BALANCING VALVE CH CUBIC FEET PER HOUR CO CLEANOUT CO CLEANOUT CO CLEANOUT CO LI WATER COLD WATER FIXTURE UNIT CWP CIRCULATING WATER PUMP D DRAIN LINE D DRAIN LINE D DRAIN LINE D DRAIN BOX D P DUMP PUMP POSCHARCE D PUMP PUMP PUMP POSCHARCE D PUMP PUMP POSCHARCE D PUMP PUMP PRESSURE REDUCING VALVE D PUMP PUMP POSCHARCE D PUMP PUMP POSCHARCE D PUMP PUMP POSCHARCE D PUMP PUMP POSCHARCE D POLIVITIVE HICK PUMP D CEIONIZED WATER D DOWN D DEIONIZED WATER D DOWN D DEIONIZED WATER D DOWN D DEIONIZED WATER D DOWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D DOWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D D ROWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D D ROWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D D ROWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D D ROWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D D ROWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D D ROWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D D ROWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D D ROWN SPOUT NOZZLE D WH DOMESTIC WATER HEATER D D D ROWN SPOUT NOZZLE D WH D ROWN SPOUT NOZZLE D W D ROWN SPOUT NOZZLE D W SPOUT NOZZLE			INV E	L.	INVERT ELEVATION
AR APPLIANCE REGULATOR BFP BACKFLOW PREVENTER ET BATHTUB BTU BRITISH THERMAL UNIT BV BALANCING VALVE MR MECHANICAL CONTRACTOR MR MEDIUM PRESSURE REGULATOR MS MOP SINK CA COMPRESSED AIR CA COMPRESSED AIR CA CATCH BASIN CH CUBIC FEET PER HOUR CI CAST IRON NIC NOT IN CONTRACT CO CLEANOUT NTS NOT TO SCALE CW COLD WATER CW COLD WATER FIXTURE UNIT CWP CIRCULATING WATER PUMP D DRAIN LINE D DRAIN BOX P P PUMP D DRAIN BOX P P PUMP DISCHARGE D DRAIN BOX P P PUMP CIRCULOR VALVE D DRAINAGE FIXTURE UNIT P P PUMP DISCHARGE D DRAIN BOX P P PUMP LISCHARGE D P DRIVING POUNTAIN P P PUMP LISCHARGE P P PUMP LISCHARGE P P PUMP LISCHARGE D P DRIVING POUNTAIN P P PUMP LISCHARGE P P PUMP LISCHARGE P P PUMP LISCHARGE P P PUMP LISCHARGE D P DRAIN BOX P P PUMP LISCHARGE P PUMP LIS			KS	KITCH	EN SINK
BFP BACKFLOW PREVENTER BT BATHTUB BT BATHTUB BT BRITISH THERMAL UNIT BV BALANCING VALVE MR MECHANICAL CONTRACTOR MR MEDIUM PRESSURE REGULATOR MS MOP SINK MS MOP SINK CB CATCH BASIN CI CAST IRON CI CAST CI CAST IRON CI CAST CI CA			LAV	LAVAT	ORY
BTU BRITISH THERMAL UNIT BY BALANCING VALVE CA COMPRESSED AIR CA COMPRESSED AIR CH CUBIC FEET PER HOUR CI CAST IRON CO CLEANOUT CO CLEANO			LPD	LOW F	POINT DRAIN
BTU BRITISH THERMAL UNIT BV BALANCING VALVE MC MECHANICAL CONTRACTOR MR MEDIUM PRESSUR REGULATOR MS MOP SINK CF CATCH BASIN MIXING VALVE CFH CUBIC FEET PER HOUR CI CAST IRON CI COLLE MOUT CW COLLD WATER FIXTURE UNIT CWP CIRCULATING WATER PUMP D D RAIN LINE D D DRAIN LINE D P C PLUMBING CONTRACTOR D PUMP D D DRAIN LINE D P C PLUMBING CONTRACTOR D PUMP DISCHARGE D PUMP D PUMP DISCHARGE D PUMP DISCHARGE D PUMP DISCHARGE D PUMP D PUMP DISCHARGE D PUMP D P			LT	LAUNI	DRY TUB
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FHC FIRE HOSE CABINET TW TEMPERED WATER					
FS FLOOR SINK			טו	IKEN	OR DRAIN
UR URINAL		. =	UR	URINA	.L
G GAS				VENT	
GC GENERAL CONTRACTOR V VENT GL GREASE INTERCEPTOR VB VACUUM BREAKER					IM DDEAKED
GI GREASE INTERCEPTOR					
GPH GALLONS PER HOUR GPM GALLONS PER MINUTE			V 111	V = 1 1 1	
WC WATER CLOSET	GEW	OALLONG F LIX WIING I L	WC	WATE	R CLOSET
HB HOSE BIBB W.C. WATER COLUMN	НВ	HOSE BIBB			
HP HORSEPOWER WCO WALL CLEANOUT					
HW HOT WATER WG WATER GAUGE					
HWFU HOT WATER FIXTURE UNIT WH WALL HYDRANT WATER HAMMER ARRESTOR	HWFl	J HOT WATER FIXTURE UNIT			
HWCPHOT WATER CIRCULATING PUMP WHA WATER HAMMER ARRESTOR					
HWR HOT WATER RECIRCULATION WV WET VENT			vv V	vv⊏I \	/ EIN I
HWT HOT WATER TANK	HWI	HUI WATER TANK			

PLUMBING SYMBOLS - VALVES AND SPECIALTIES

	SHUT-OFF VALVE (GATE, BALL, ETC.)	
(X)	BALANCING VALVE (X INDICATES GPN	1)
	SHUT-OFF VALVE IN RISER	
(MR OR AR)	GAS PRESSURE REULATOR (MEDIUM	PRESSURE OR APPLIANCE REGULATOR)
	GAS COCK	
	CHECK VALVE	
	STRAINER	
——————————————————————————————————————	GLOBE VALVE	
S	SOLENOID VALVE	
── X	RELIEF VALVE (X INDICATES	P - PRESSURE T - TEMPERATURE PT - COMBINATION PRESS/TEMP)
	BRANCH CONNECTION - BOTTOM	
	BRANCH CONNECTION - TOP	
	ELBOW - TURNED DOWN	
$\overline{}$	ELBOW - TURNED UP	
	CAP	
	CLEANOUT (FLOOR/WALL)	
Ø	FLOOR DRAIN	
	FLOOR SINK	
• •	ROOF DRAIN ABOVE/BELOW DECK	
──H WH	WALL HYDRANT	
— НВ	HOSE BIBB	
	REDUCER	
	UNION	
	PIPE GUIDE (PG) PIPE ANCHOR (PA)	
WHA-X	WATER HAMMER ARRESTOR (X INDIC.	ATES PDI SIZE)
	FLEXIBLE CONNECTOR	,
	DIRECTION OF FLOW	
	DIRECTION OF DOWNWARD PITCH	
(P)	PRESSURE GAUGE	
	THERMOMETER	
PT	PRESSURE/TEMPERATURE TAP	
M	METER	
	PUMP	
(TP)	TRAP PRIMER VALVE	
XX-X	PLUMBING FIXTURE No. (SEE SPEC.)	
XXX-X	PLUMBING SPECIALITY No. (SEE SPEC	2.)
XXX-X	PLUMBING EQUIPMENT No. (SEE SPEC	2.)
X XXX	DRAWING SECTION NUMBER DRAWING WHERE FOUND	
X XXXX	DRAWING DETAIL NUMBER DRAWING WHERE FOUND	
XXX	ROOM NUMBER	
	POINT OF CONNECTION	

TRENCH DRAIN

PLUMBING SYMBOLS - PIPING DESIGNATIONS

	COLD WATER
── HW ─	HOT WATER
HWR	HOT WATER RETURN
NPCW —	NON-POTABLE COLD WATER
NPHW——	NON-POTABLE HOT WATER
	SOFTENED COLD WATER
SAN	SANITARY SEWER
V	VENT
—— ST ——	STORM SEWER
EST —	STORM SEWER OVERFLOW DRAIN
—— CA ——	COMPRESSED AIR
D	DRAIN
—— W ——	WATER MAIN (EXTERIOR)
—— PD ——	PUMP DISCHARGE
——— GAS ———	NATURAL GAS

GENERAL NOTES

- THIS LEGEND SHEET IS FOR CONTRACTOR REFERENCE ONLY. NOT ALL SYMBOLS AND/OR ABBREVIATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/OR EXCLUSION OF ANY PARTICULAR ITEM FROM THE PROJECT.
- 2. THE PLANS ARE DIAGRAMMATIC AND INDICATE ONLY THE SIZE AND GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. EXACT LOCATION OF ALL ELEMENTS SHALL BE DETERMINED AS WORK PROGRESSES, IN COOPERATION AND COORDINATION WITH THE WORK OF ALL OTHER TRADES. IT IS NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIECE OF EQUIPMENT, BUT THE CONTRACTOR SHALL FURNISH AND INSTALL WITHOUT ADDITIONAL REMUNERATION ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
- ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH THE DRAWINGS AND SPECIFICATIONS.
- 4. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATIONS, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES IN PIPING AND LOCATION OF EQUIPMENT, ETC. TO ACCOMMODATE WORK WITH THAT OF OTHER CONTRACTORS.
- INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICING AND MAINTENANCE OF EQUIPMENT.
- PIPES PENETRATING FIRE WALLS AND FLOORS SHALL BE FIRESTOPPED AS SPECIFIED. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE WALL LOCATIONS.
- 7. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
- 8. COMPLY WITH THE 2018 WISCONSIN STATE LEGISLATIVE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (SPS) DESIGN, CONSTRUCTION, INSTALLATION, SUPERVISION, MAINTENANCE AND INSPECTION OF PLUMBING CHAPTER SPS 382, 2015 WISCONSIN INTERNATIONAL FUEL GAS CODE, AND THE 2015 WISCONSIN INTERNATIONAL ENERGY CODE.

	GAS LOAD
(2 (1 (2 (1 (1	B) ROOF TOP UNITS - 375 MBH P) MAKE - UP AIR UNIT- 809 MBH) WATER HEATERS - 300 MBH P) BOILERS - 1600 MBH) RANGES - 40 MBH) GAS GRILL - 40 MBH OTAL = 3164 MBH
	MEDIUM PRESSURE REGULATOR OUTLET PRESSURE
RI FI BI W M TU UI LI	ROVIDE MEDIUM PRESSURE EGULATOR TO REDUCE PRESSURE ROM MAXIMUM 2PSI TO: OOF TOP UNITS 7-14"WC OILERS 4-14"WC VATER HEATERS 4-14"WC EDIUM PRESSURE REGULATORS O BE VENTED TO THE OUTDOORS NLESS PROVIDED WITH VENT MITING DEVICE. REFER TO ETAILS 8 ON DRAWING P201.
D	AS PIPE SIZE BASED ON ELIVERY PRESSURE OF 2PSI W/ A RESSURE DROP OF 1PSI. EQUIV.

LENGTH RUN 316' FT. SIZED PER 2015 WI IFGC TABLE 402.4(5) FOR SCHEDULE 40 METALLIC PIPE



UNION GROVE, WI 53182

UNION GROVE YORKVILLE FIRE STATION
DESIGN DEVELOPMENT

Five Bugles

Five Bugles

Five Bugles

Mitchell Associates

Architects

204 E. Grand Avenue, Suite 200

Eau Claire, WI 54701

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p:716.688.0766 tf:877.293.6335

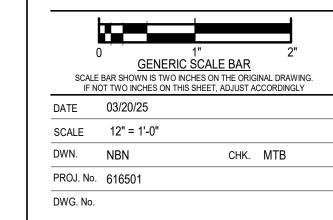
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SYMBOLS, ABBREVIATIONS, GENERAL NOTES



EXECUTION NOTES:

- TRENCH DRAINS SHALL BE STRAIGHT AND NOT VARY IN ANY DIRECTION ANY MORE THAN 1/4" OVER FULL LENGTH OF TRENCH DRAIN RUN.
- UNDERGROUND DOMESTIC WATER PIPING SERVING FIXTURES INSIDE THE BUILDING SHALL BE COPPER PIPE WITH BRAZED JOINTS. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- 3. PROVIDE FLOOR DRAIN IN LOCATION SHOWN. PROVIDE DRAIN PIPING FROM SCBA EXTRACTOR TO FLOOR DRAIN WITH AN AIR GAP AT FLOOR DRAIN.



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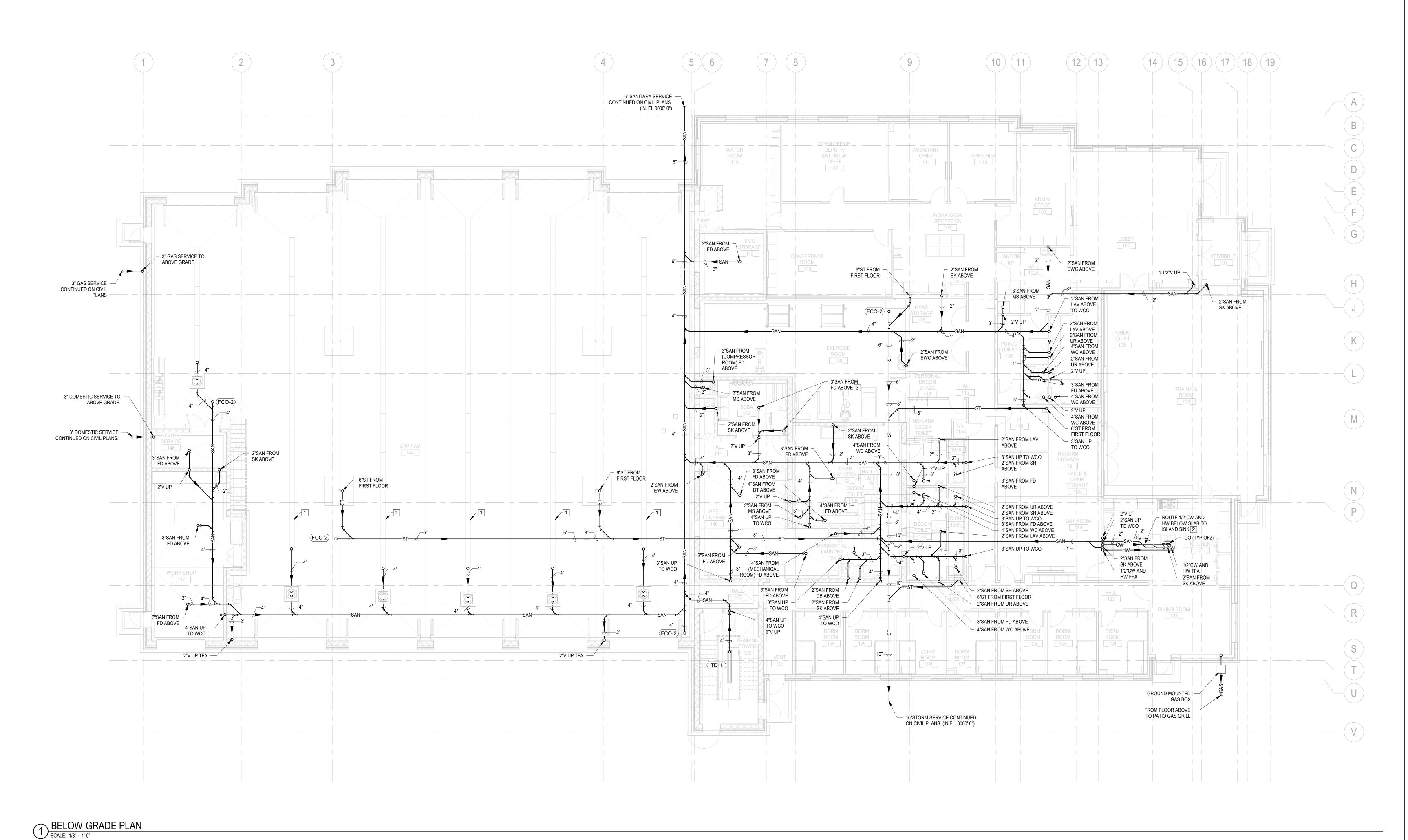
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BELOW GRADE PLAN

DATE 03/20/25

SCALE 1/8" = 1'-0"

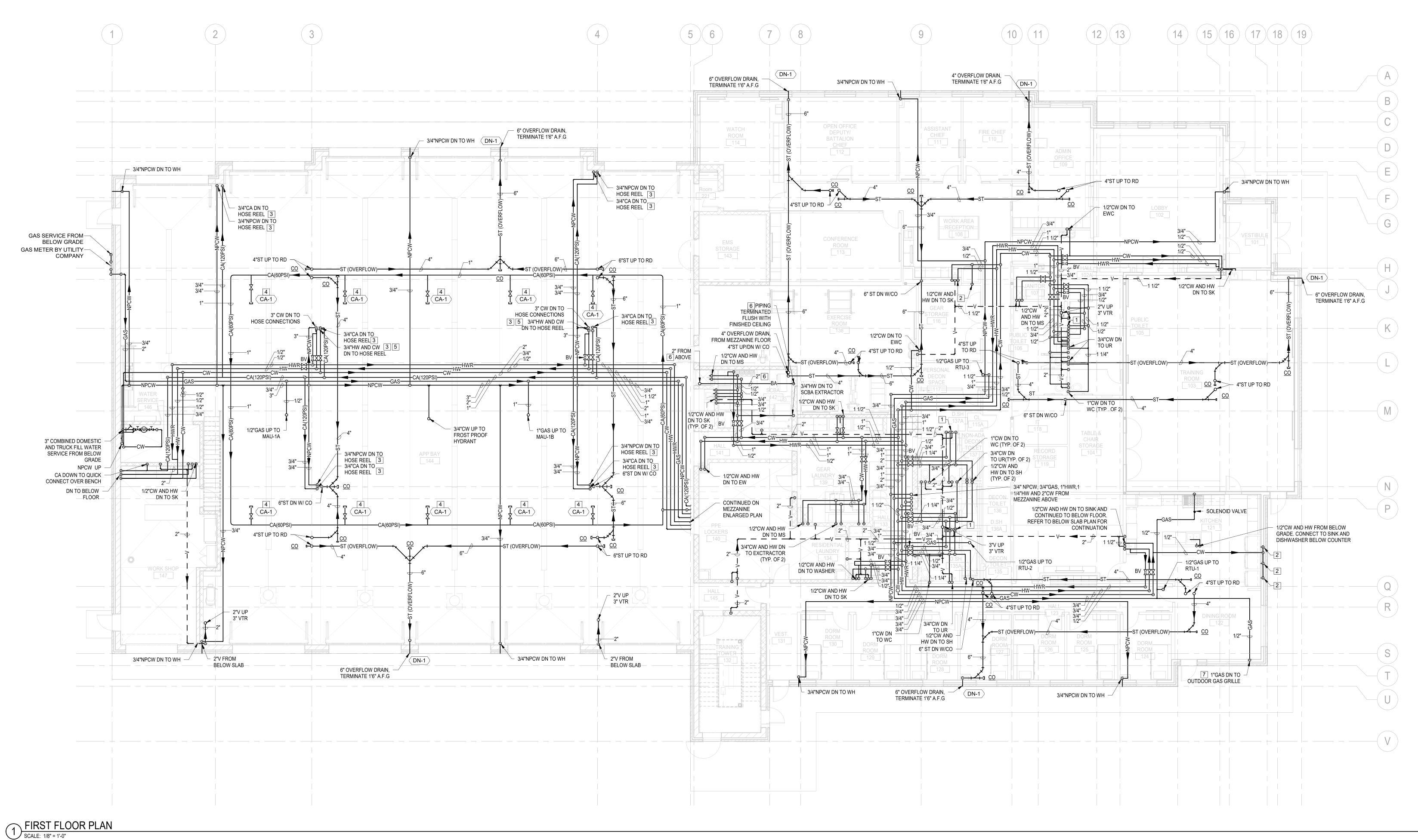
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CONSTRUCTION NOTES:

- 1. ROUTE 1/2" HW, SCW DOWN WITHIN WALL AND CONNECT TO LAV. ROUTE 1/2" HWR DOWN WITHIN WALL AND TIE INTO HW PIPE WITHING 2' OF LAV.
- 1/2"SCW DOWN TO ICEMAKER / REFRIG ICEMAKER. PROVIDE RECESSED WALL OUTLET BOX (SIOUX CHIEF OXBOX ICE MAKER OUTLET BOX OR EQUAL). PROVIDE WATTS DUAL CHECK VALVE SD3 (ASSE 1022) FOR ICE MAKER CONNECTION.
- 3. COORDINATE MOUNTING HEIGHTS OF HOSE REELS WITH OWNER.
- 4. COORDINATE LOCATION AND ELEVATION OF COMPRESSED AIR DROPS WITH OWNER.
- 5. PROVIDE HOSE REEL AS SCHEDULED. PROVIDE THERMOSTATIC MIXING VALVE MOUNTED AT A MAXIMUM HEIGHT OF 6' AFF. PROVIDE ASSE 1056 APPROVED VACUUM BREAKER DOWNSTREAM OF THE MIXING VALVE, UPSTREAM OF THE HOSE REEL CONNECTION.
- 6. PROVIDE 1 1/2" AND 2" PVC CONDUIT FROM BREATHING AIR COMPRESSOR IN MEZZANINE, TO BOTTLE STORAGE RACK AND FILL STATION RESPECTIVELY. TERMINATE PIPING FLUSH WITH FLOOR IN MEZZANINE AND FLUSH WITH CEILING IN SCBA ROOM. PROVIDE OUTDOOR AIR INTAKE PIPING FROM COMPRESSOR THROUGH EXTERIOR WALL. REFER TO SCBA COMPRESSOR INTKE DETAIL ON P201

7. PROVIDE REGULATOR ON EXTERIOR WALL AS PIPING LEAVES THE WALL.



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FIRST FLOOR PLAN

O 1" 2"

GENERIC SCALE BAR

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DATE 03/20/25

SCALE 1/8" = 1'-0"

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EXECUTION NOTES:

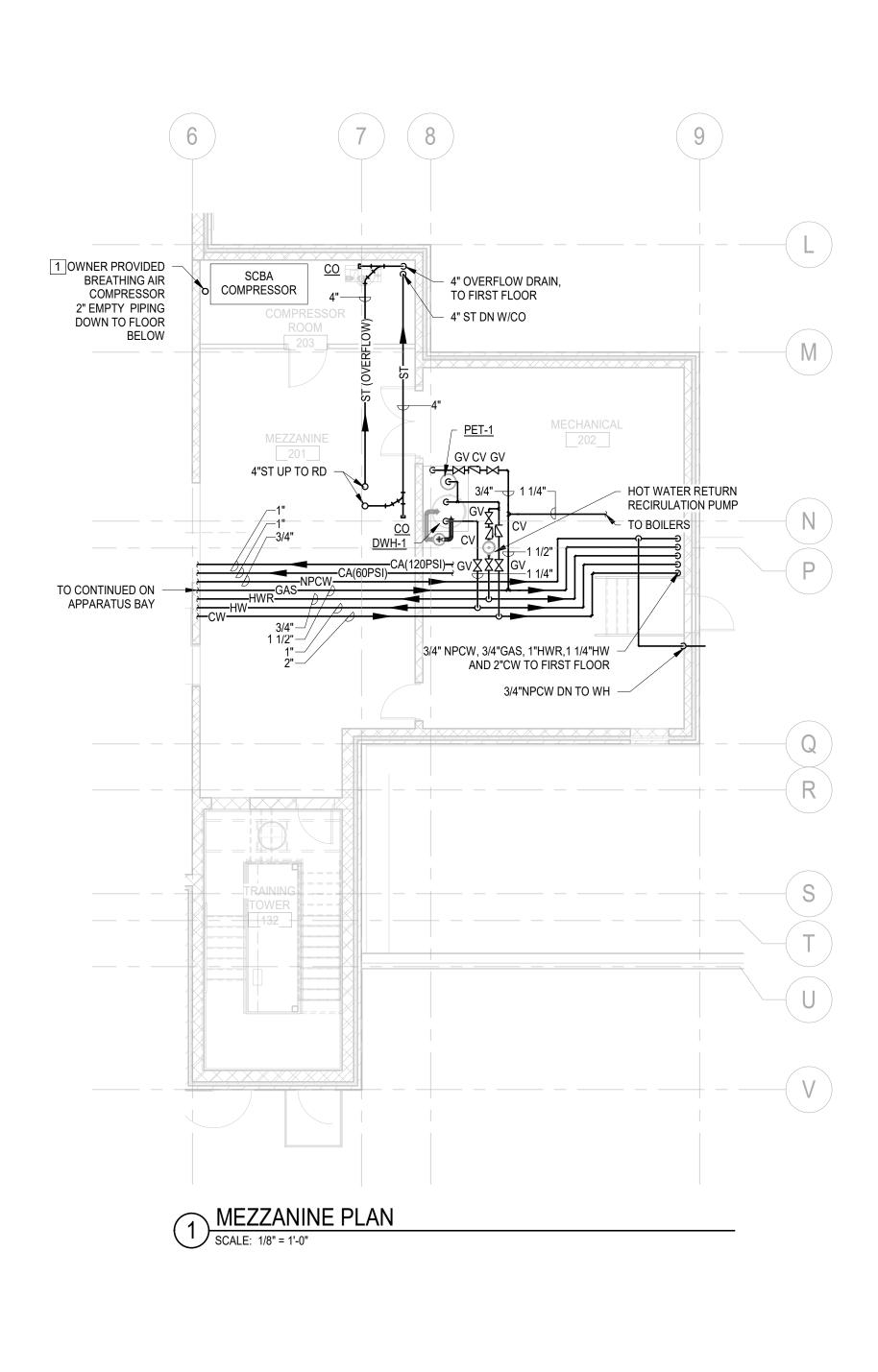
 PROVIDE 1 1/2" AND 2" PVC CONDUIT FROM BREATHING AIR COMPRESSOR IN MEZZANINE, TO BOTTLE STORAGE RACK AND FILL STATION RESPECTIVELY. TERMINATE PIPING FLUSH WITH FLOOR IN MEZZANINE AND FLUSH WITH CEILING IN SCBA ROOM. PROVIDE OUTDOOR AIR INTAKE PIPING FROM COMPRESSOR THROUGH EXTERIOR WALL. REFER TO SCBA COMPRESSOR INTKE DETAIL ON

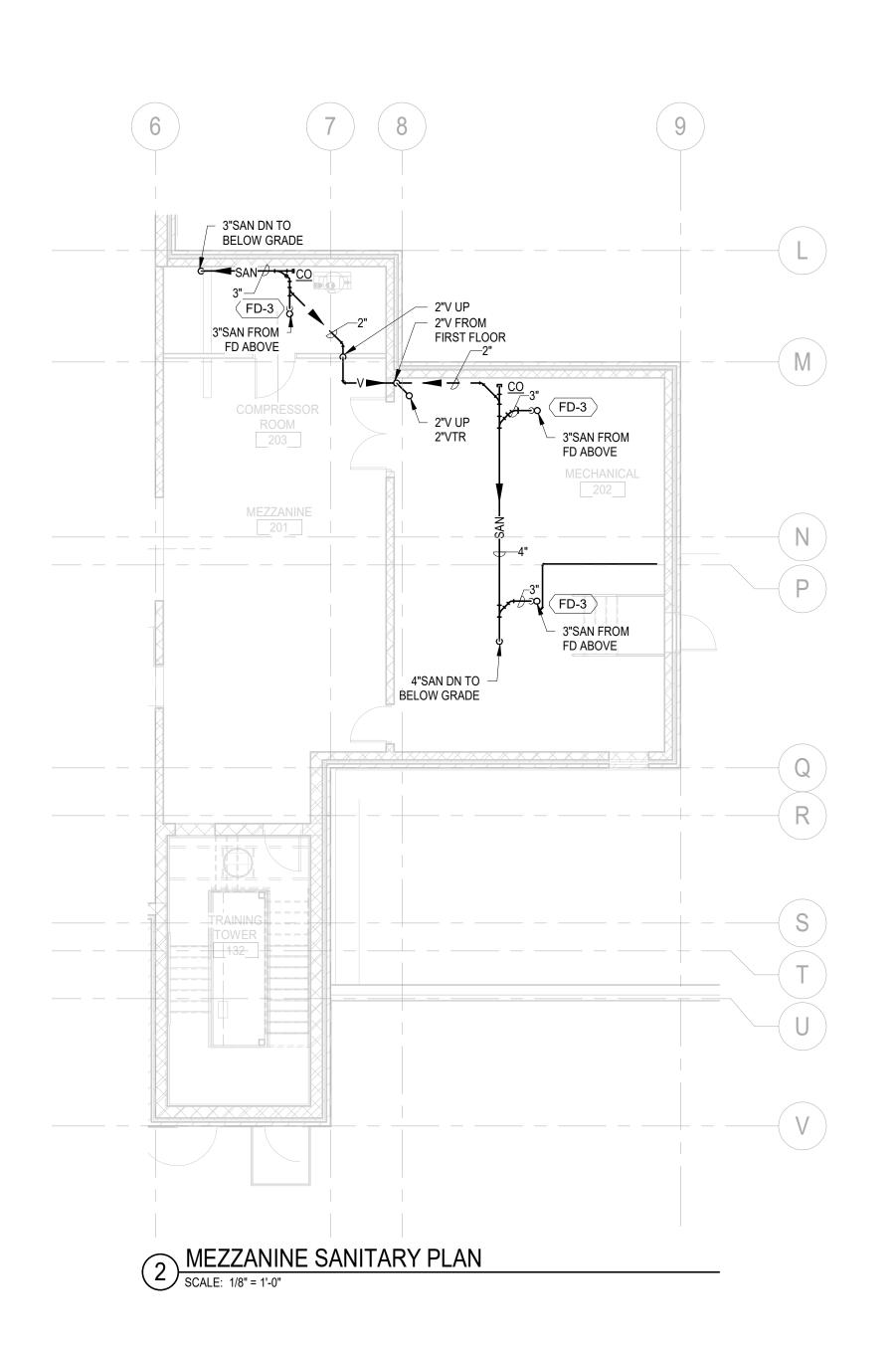


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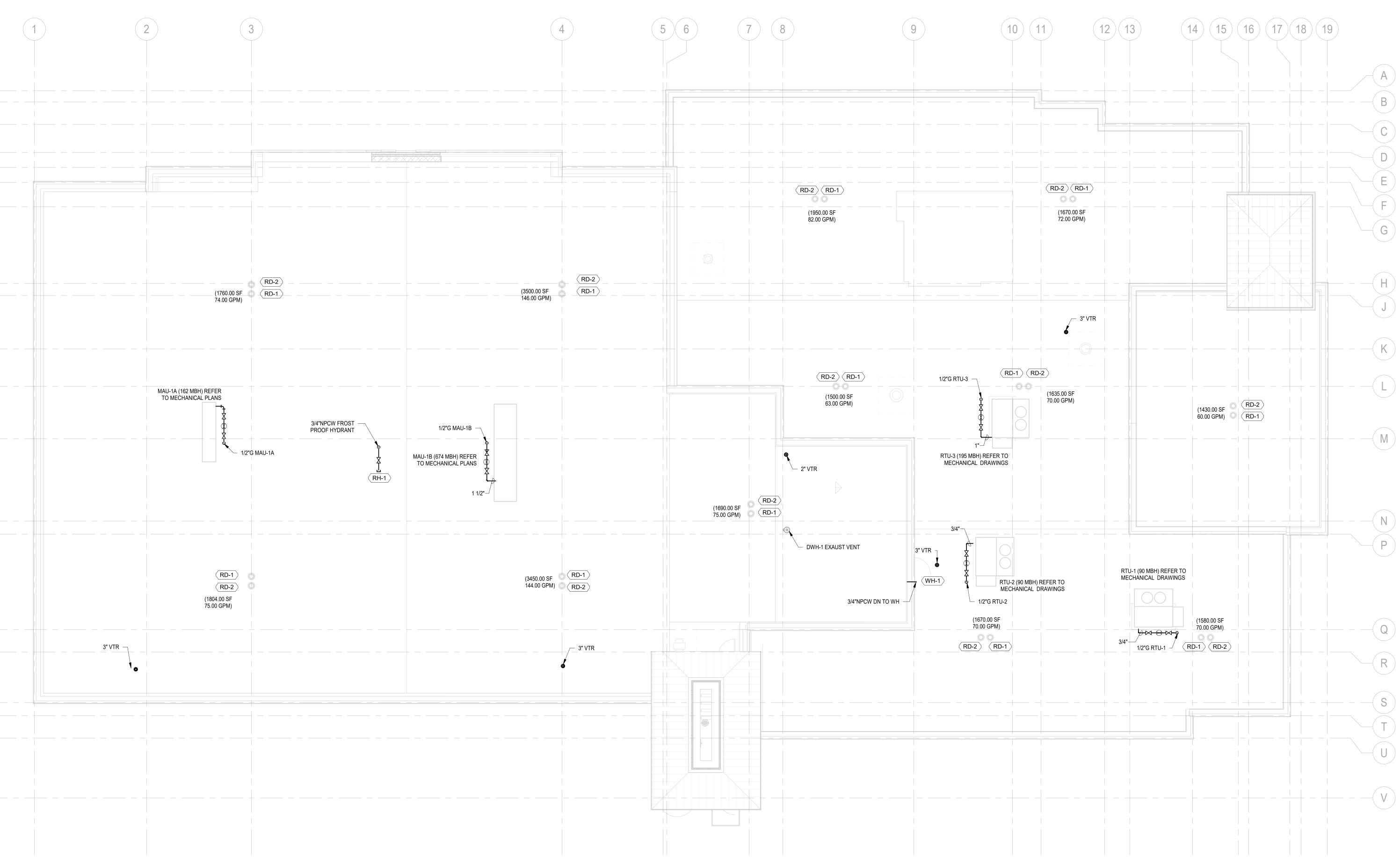
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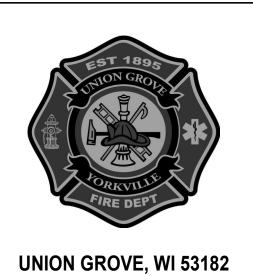
MEZZANINE

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ROOF PLAN

SCALE: 1/8" = 1'-0"



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Design.

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Architects

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ROOF PLA

O 1" 2"

GENERIC SCALE BAR

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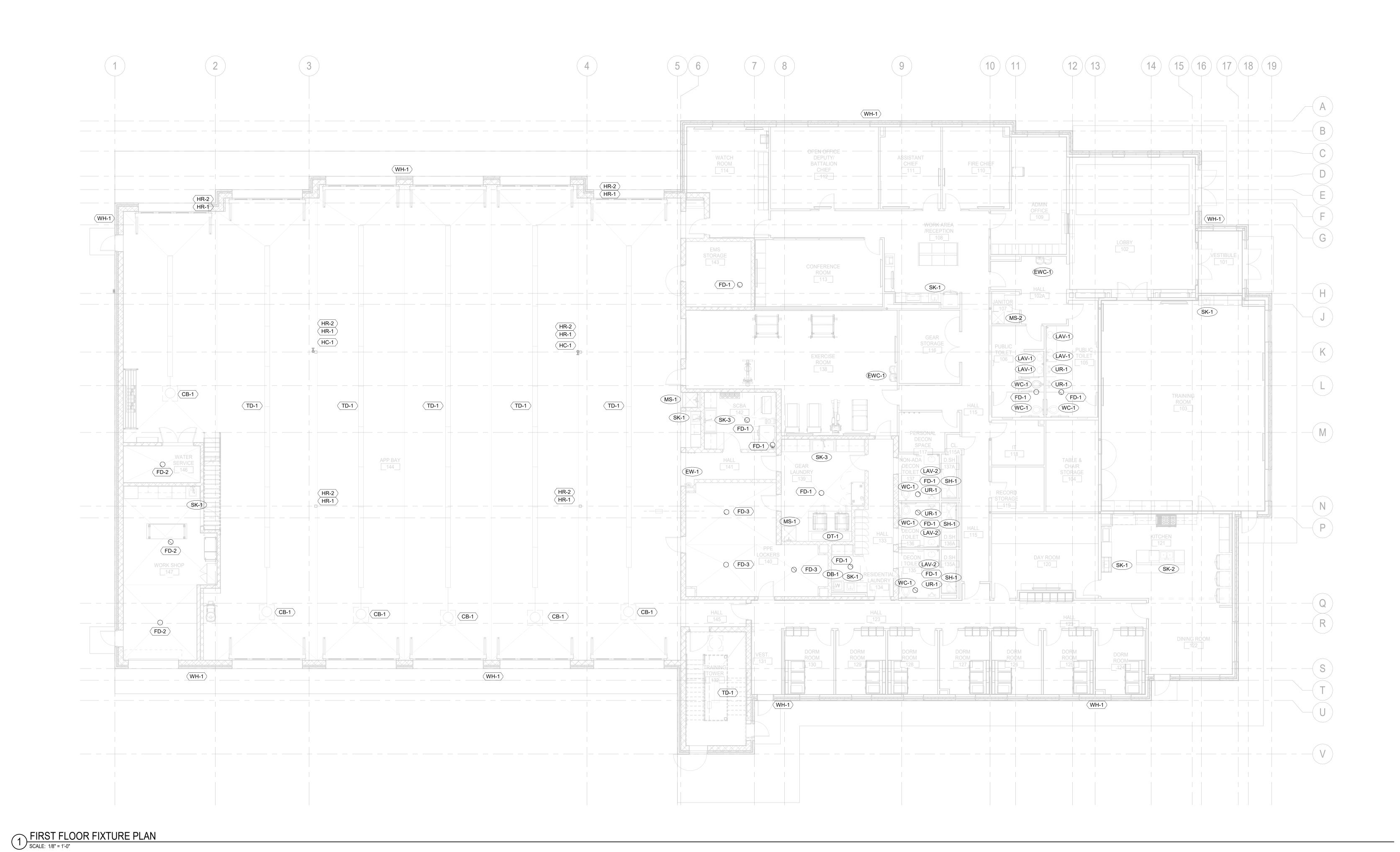
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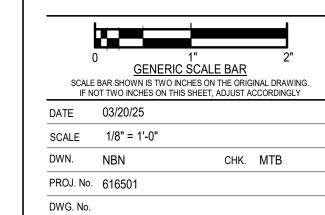
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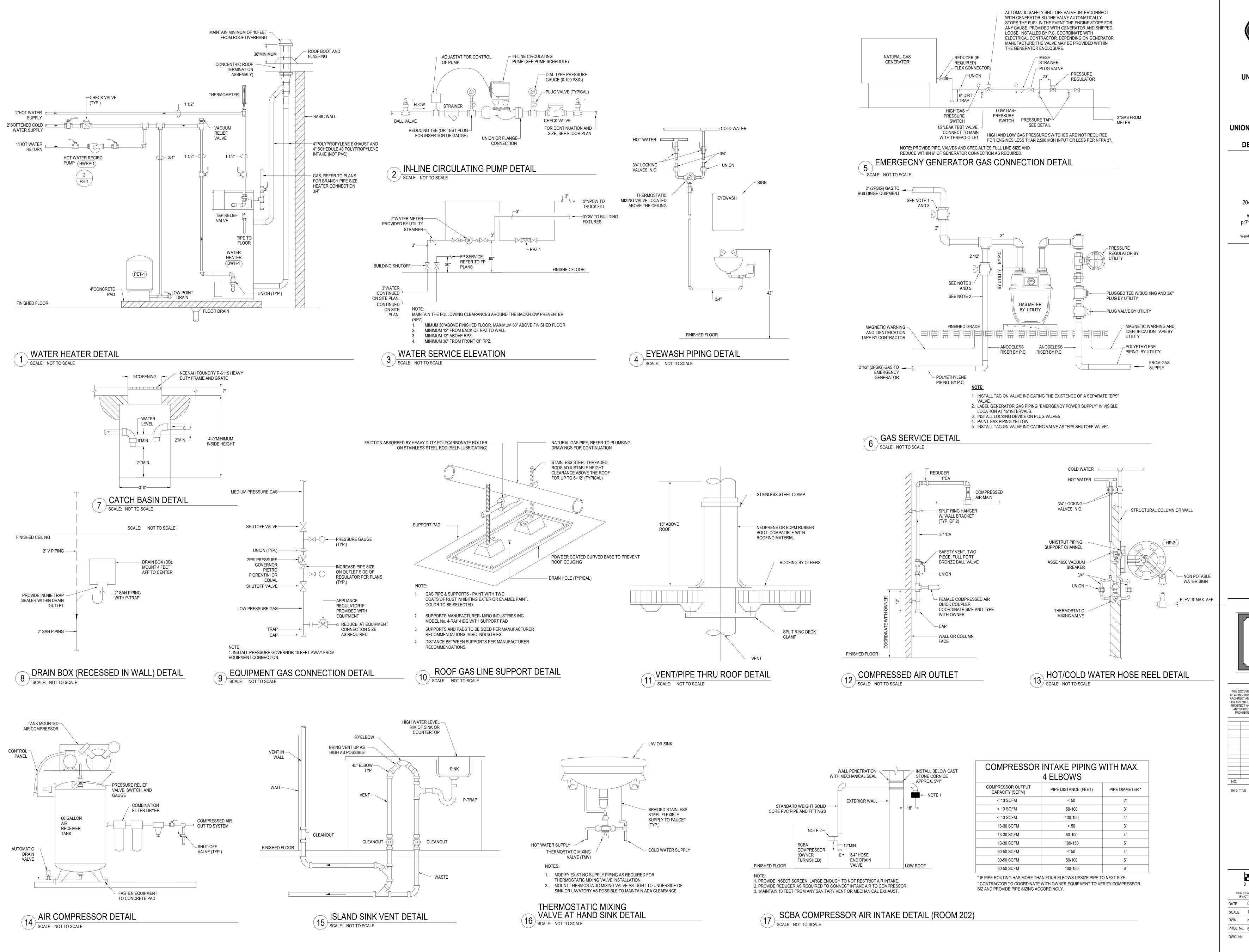


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FIRST FLOOR FIXTURE PLAN







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DETAILS

O 1" 2"

GENERIC SCALE BAR

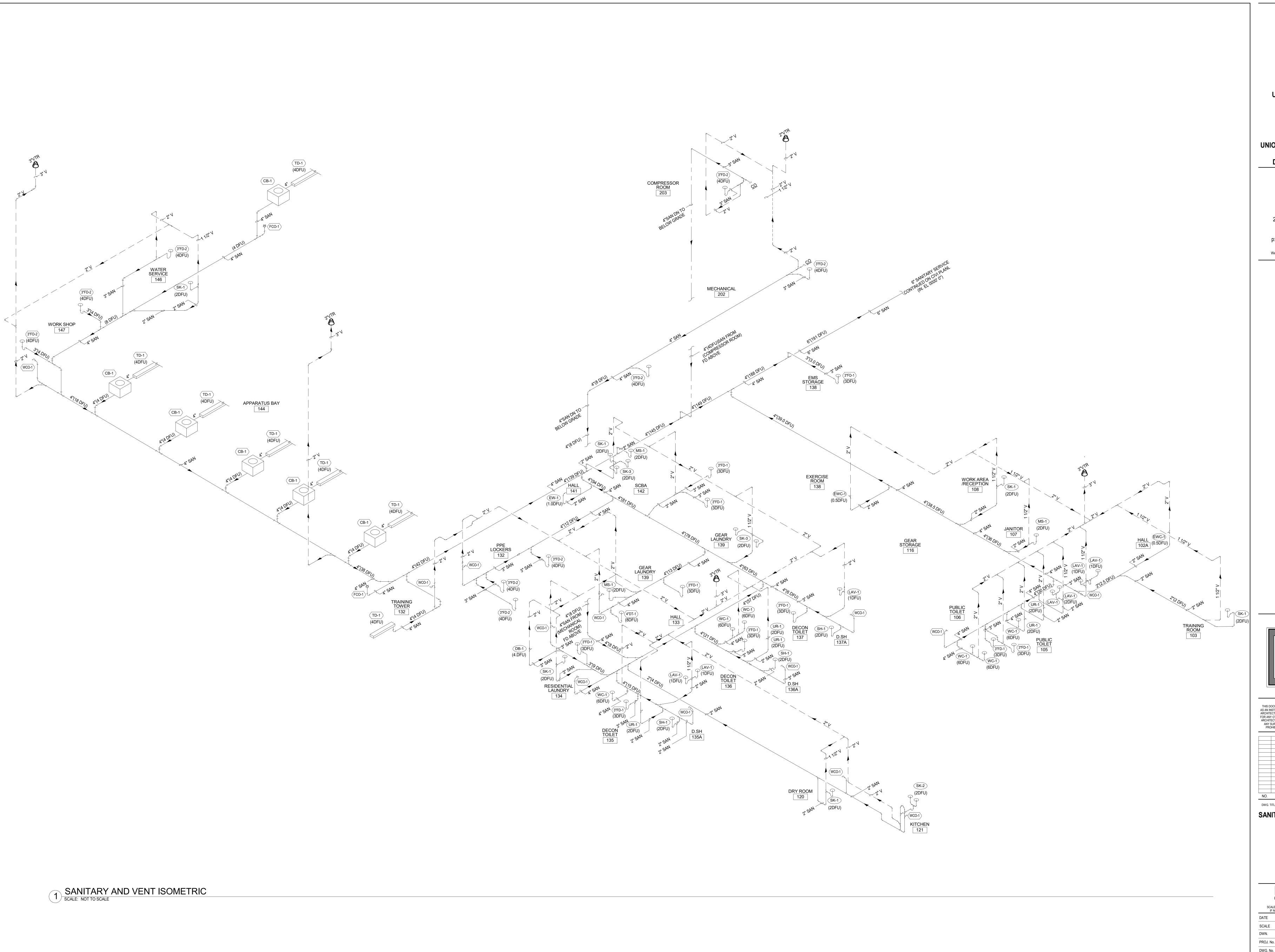
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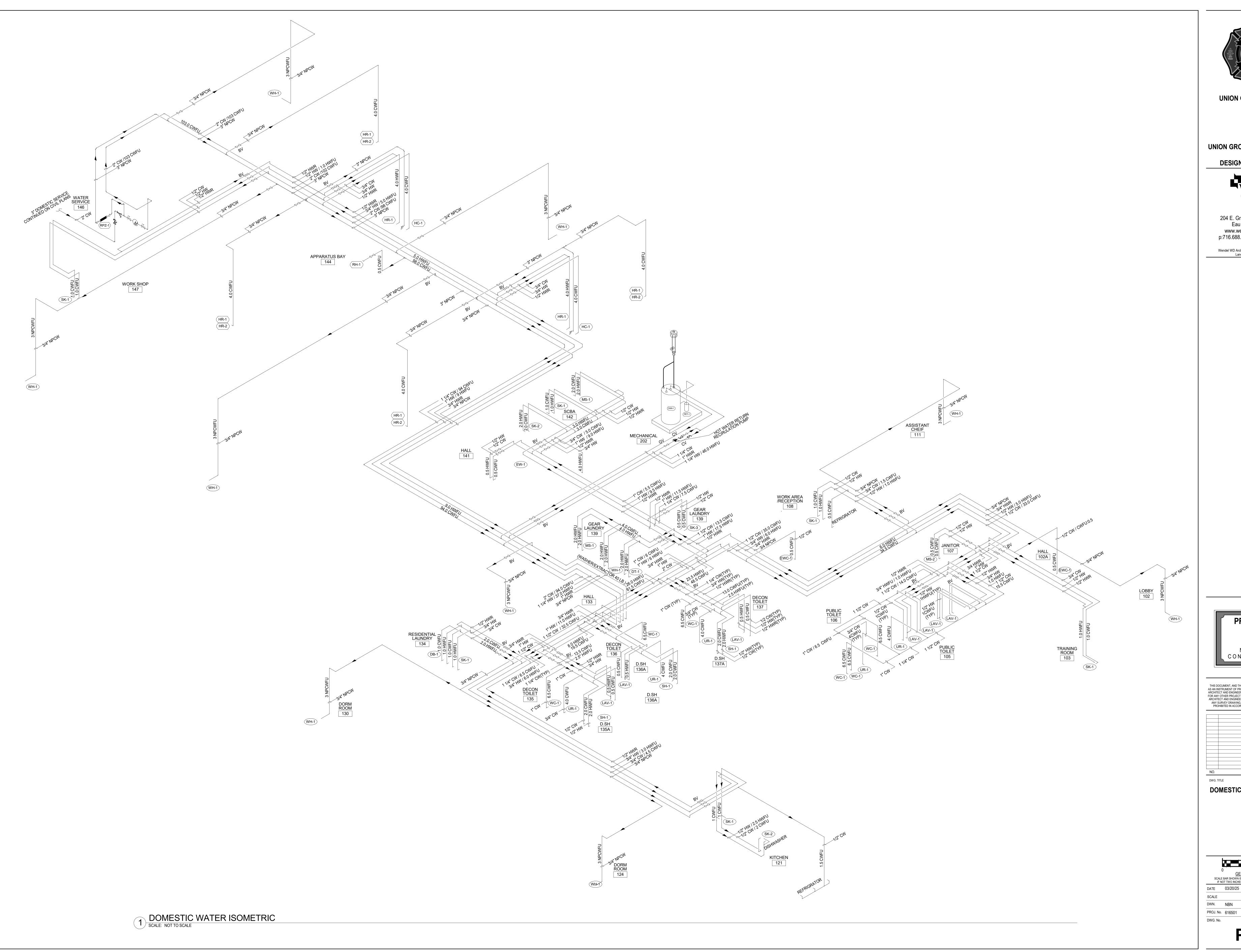
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DOMESTIC WATER ISOMETRIC

O 1" 2"

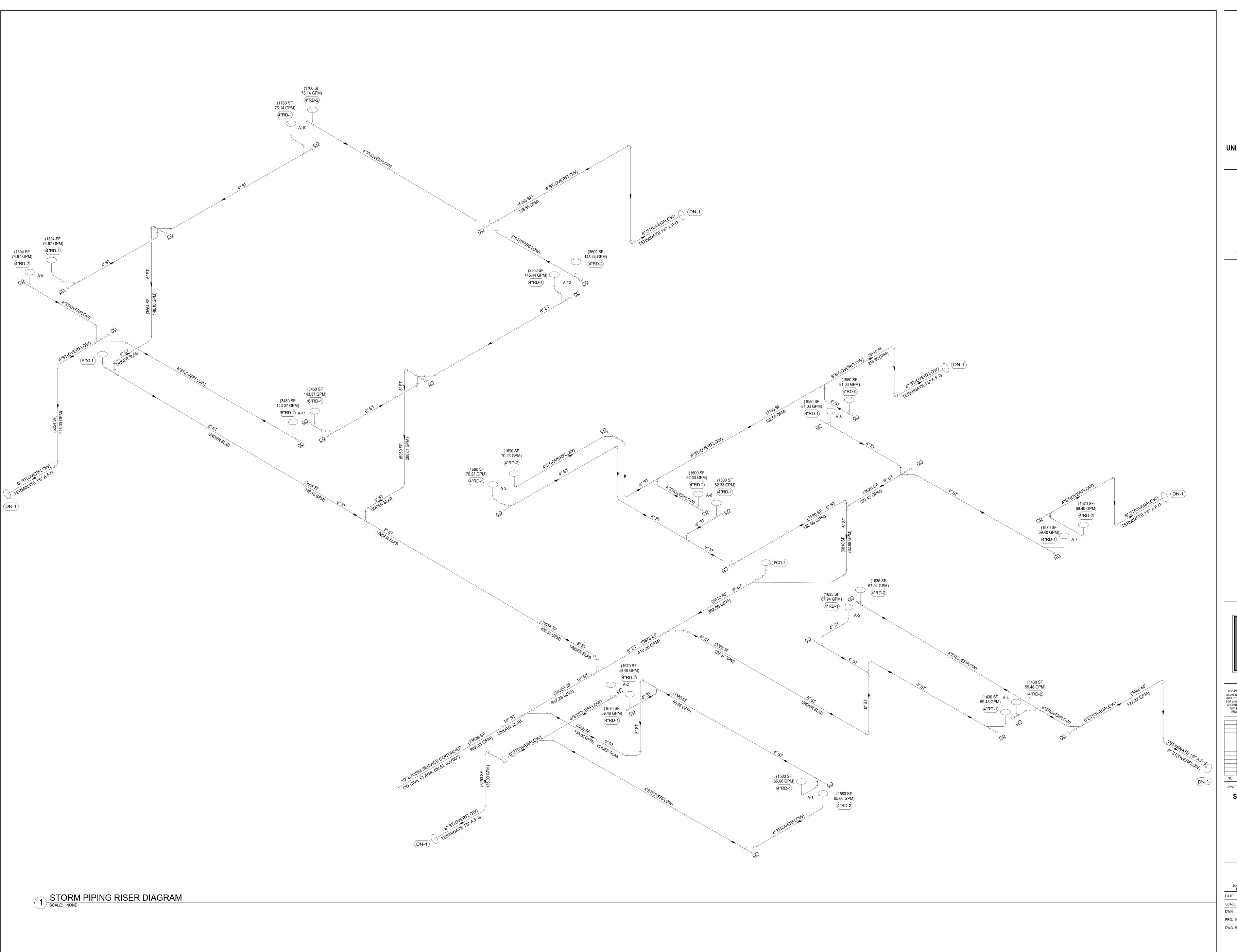
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STORM WATER ISOMETRIC

0 1" 2"

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SCALE

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XTURE NO.	DESCRPTION	MANUFACTURER & MODEL	S/W	PIPING CON VENT	NNECTION C.W.	S H.W.	ACCESSORIES	REMARKS
BFP-1	BACKFLOW PREVENTER, LEAD FREE, DUAL CHECK WITH ATMOPHERIC PORT (INSTALL AT REFRIGERATOR WATER / ICE MACHINE CONNECTION)	WATTS SD-3	-	-	3/8"	-	WYE STRAINER	ASSE 1022 CERTIFIED
CA-1	COMPRESSED AIR OUTLET, SEE REMARKS	-	-	-	-	•	-	PROVIDE 3/4"COMPRESSED AIR PIPING, BALL VALVE, AND MALE QUICK DISCONNECT. COORDINATE DISCONNECT LOCATION, SIZE AND CONNECTION TYPE WITH OWNER
CB-1	CATCH BASIN, PRE-CAST CONCRETE, 36"	HUFFCUT CONCRETE	4"	-	-	-	CAST IRON FRAME AND GRADE RINGS, NEENAH R-6115 GRATE OR EQUAL	-
DB-1	DRAIN BOX WITH WATER SUPPLY SHUTOFFS AND WATER HAMMER ARRESTORS, RECESSED (INSTALLED AT RESIDENTIAL TYPE CLOTHS WASHER)	GUYGREY 82914	2"	2"	-	-		REFER TO DETAIL ON P201
DN-1	DOWNSPOUT NOZZLE, CAST BRONZE, WALL FLANGE	JOSAM 25010 SERIES	-	-	-	-		INSTALLED AT STORM OVERFLOW DISHARGE, SEE PLAN FOR SIZE
DT-1	DRAIN TROUGH, POLYPROPELENE BODY AND COVER, LINT FILTER, BOTTOM OUTLET RECESED IN FLOOR, 18"WIDE x 12"HIGH x 108" LONG (INSTALLED AT WASHER/EXTRACTORS)	H-M COMPANY (NOT MODEL NUMBER SPECIFIC)	4"	-	-	-		INSTALL 3" DRAIN FROM WASHER/EXTRACTOR INTO TOP O TROUGH, INSTALL PER MANUFACTURES INSTRUCTIONS
EW-1	EYE/FACE WASH UNIT, 3GPM FLOW CONTROL, SS COVER, STAY-OPEN BALL VALVE, WALL MOUNTED	GUARDIAN G1750BC	1-1/4"	-	-	1/2" (80°F)	THERMOSTATIC MIXING VALVE, STRAINER, WALL BRACKET, SIGN	THERMOSTATIC MIXING VALVE GUARDIAN G3600, PIPE DRAIN OPE ENDED DOWN TO FLOOR
EWC-1	ADA COMPLIANT BI-LEVEL, ELECTRIC WATER COOLER AND FILTERED BOTTLE FILLING STATION #14 GAUGE, TYPE 304 SS	ELKAY EZH20 LZSTL8WSSP	2"	1-1/2"	1/2"	-	WALL MOUNTING PLATE, VANDAL RESISTANT BUBBLER, 3 PACK REPLACEMENT FILTERS	15AMP MINIMUM DUAL RECEPTOF 115V
FCO-1	FLOOR CLEAN OUT W/ ROUND ADJUSTABLE EXTRA HEAVY DUCTILE IRON TOP & SECONDARY PLUG	MIFAB C1100-XR-4-34-BA	VARIES	-	-	-	-	SIZE TO MATCH DRAIN LINE SIZE, MAXIMUM 4"
FCO-2	FLOOR CLEAN OUT W/ ROUND ADJUSTABLE NICKEL BRONZE TOP & SECONDARY PLUG	MIFAB C1100-R	4"	-	-	-	-	SIZE TO MATCH DRAIN LINE SIZE, MAXIMUM 4"
FD-1	FLOOR DRAIN, 6"Ø NICKEL BRONZE STRAINER	MIFAB F1100	3"	-	-	-	TRAP GUARD TG-1	-
FD-2	FLOOR DRAIN, 7" Ø DUCTILE IRON STRAINER AND SEDIMENT BUCKET CONNECTION	MIFAB F1300C	4"	-	-	-	TRAP GUARD TG-1	-
GVB-1	GAS VALVE BOX INCLUDING QUARTER TURN VALVE, RECESSED, FIRE RATED	GUYGREY FR-12	-	-	-	-	-	PROVIDE AT ALL GAS RANGE'S
HB-1	HOSE BIBB, ROUGH BRASS FINISH, ANTI-SIPHON VACUUM BREAKER, CAST IRON WHEEL	MIFAB MHY-9031	-	-	3/4"	-	-	ASSE 1011 VACUUM BREAKER
HC-1	HOSE CONNECTION VALVE, POLISHED BRASS FOR TRUCK FILL	POTTER ROEMER 4065-B	-	-	2-1/2"		-	PROVIDE POTTER ROEMER 4625 2 1/2"CAP AND CHAIN. COORDINAT
HR-1	HOSE REEL, COMPRESSED AIR	REELCRAFT 7670 OLP	-	-	-	-	PROVIDE HOSE WITH QUICK CONNECT OUTLET	LOCATION WITH OWNER MOUNT HOSE REEL ON COLUMN PROVIDE PARKER REGULATOR P3 (OR EQUAL) 4'-0"AFF. COORDINAT LOCATION WITH OWNER
HR-2	HOSE REEL, HOT AND COLD WATER	REELCRAFT 7670 OLP	-	-	3/4"	3/4"	-	WALL MOUNTED. PROVIDE LAWLE 74146 MIXING VALVE W/ TEMPERATURE GAUGE. PROVIDE WATTS LF008PCQT BACKFLOW PREVENTER
LAV-1	SOLID SURFACE COUNTERTOP WITH INTEGRAL BOWLS	BY OTHERS	1 1/2"	1 1/2"	1/2"	1/2"	FAUCETS, THERMOSTATIC MIXING VALVE, SS STRAINER, SUPPLIES, STOPS, TRAP, & ESCUTCHEON PLATE	HARDWIRED FAUCET SLOAN SF-2400-4-PLG-BDN-CP-0.5GPM (0.5GPM), MCGUIRES PROWRAP, MIXING VALVE WATTS MODEL LFMMV
LAV-2	SOLID SURFACE COUNTERTOP WITH INTEGRAL BOWLS	BY OTHERS	1 1/2"	1 1/2"	1/2"	1/2"	FAUCETS, THERMOSTATIC MIXING VALVE, SS STRAINER, SUPPLIES, STOPS, TRAP, & ESCUTCHEON PLATE	SINGLE LEVER FAUCET CHICAGO FAUCETS 3511-E2805AB, MCGUIRE PROWRAP, MIXING VALVE WATTS MODEL LFMMV
LT-1	LAUNDRY TUB, WALL MOUNTED, STRUCTURAL FIBERGLASS, 23x23 1/2"x16"DEEP	MUSTEE 17W	1 1/2"	1 1/2"	1/2"	1/2"	FAUCET, HOSE AND HOSE BRACKET	FAUCET: UNION BRASS 47S FAUCET
MS-1	MOP SINK FLOOR MOUNTED, TERRAZZO W/ DROP FRONT, STAINLESS STEEL CAPS, STAINLESS STEEL WALL GUARDS, 36"x36"x12"	FIAT TSB3002	3"	1 1/2"	1/2"	1/2"	FAUCET, HOSE AND HOSE BRACKET	FAUCET: FIAT 830AA, HOSE & HOS HOLDER 832AA, MOP HANGER 889CC, WALL GUARDS MSG3636, PROVIDE ASSE 1011 VACUUM BREAKER ON THREADED OUTLET
MS-2	MOP SINK FLOOR MOUNTED, TERRAZZO W/ DROP FRONT, STAINLESS STEEL CAPS, STAINLESS STEEL WALL GUARDS, 32"x32"x12"	FIAT TSB3001	3"	1 1/2"	1/2"	1/2"	FAUCET, HOSE AND HOSE BRACKET	FAUCET: FIAT 830AA, HOSE & HOS HOLDER 832AA, MOP HANGER 889CC, WALL GUARDS MSG3636, PROVIDE ASSE 1011 VACUUM BREAKER ON THREADED OUTLET
RD-1	ROOF DRAIN, LARGE SUMP, CAST IRON BODY AND DOME, LEVELZE ADJUSTABLE EXTENSIONS, SECONDARY FLASHING CLAMP.	JOSAM 21500-AE-6-22	-	-	-	-	-	REFER TO PLANS FOR SIZE
RD-2	ROOF DRAIN, LARGE SUMP, CAST IRON BODY AND DOME, LEVELZE ADJUSTABLE EXTENSIONS, SECONDARY FLASHING CLAMP, 2 INCH HIGH WATERGUARD.	JOSAM 21500-AE-16-22	-	-	-	-	-	REFER TO PLANS FOR SIZE
RH-1	ROOF HYDRANT, NON-FREEZE, GALVANIZED STEEL PIPE, AUTOMATIC VENTURI SIPHON DRAIN, MOUNTING SYSTEM BACKFLOW PREVENTER (ASSE 1052)	WOODFORD SRH-MS	-	-	3/4"	-	CAST IRON MOUNTING SYSTEM WITH DECK FLANGE, AIR VENT, DUAL CHECK VALVE WITH DRAIN	NO DRAIN LINE REQUIRED
RPZ-1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER W/ QUARTER TURN BALL VALVES, LEAD FREE (ASSE 1013)	WATTS LF009-QT	-	-	3"	-	AIR GAP FITTING, WILKINS AG.	NON-POTABLE COLD WATER TO TRUCK FILL
RPZ-2	REDUCED PRESSURE ZONE BACKFLOW PREVENTER W/ QUARTER TURN BALL VALVES, LEAD FREE (ASSE 1013)	WATTS LF009-QT	-	-	1"	-	AIR GAP FITTING, WILKINS AG.	NON-POTABLE SOFTENED COLD WATER TO BOILER MAKEUP WATE
SD-1	SHOWER DRAIN, HEAVY DUTY, 4"∅ SS STRAINER	MIFAB FD212TC-49	-	-	3"	<u>-</u>	AIR GAP FITTING, WILKINS AG.	NON-POTABLE WATER TO TRUCK FILL AND IRRIGATION SYSTEM
SH-1	SHOWER TO HAVE TILED FLOOR AND WALLS. REFER TO ARCHITECTURAL PLANS	-	2"	1 1/2"	1/2"	1/2"	SHOWER VALVE (1.5GPM), STANDARD HEAD, SLIDE BAR W/ HEAD, AND HOSE,	BRADLEY IC-TMV-A24 ADA SHOWE PACKAGE (1.5 GPM). INCLUDES AR MOUNT BRACKET, VACUUM BREAKER, 60" METAL HOSE, & COMBINATION SLIDE BAR/GRAB BA SET MIXING VALVE TO 120°F MAX AND PROVIDE SD-1 FOR DRAIN.
SK-1	SINGLE BOWL STAINLESS STEEL DROP-IN SINK, 3 HOLES 4"OC, 22"x19 1/2"x5 1/2" DEEP	ELKAY LRAD2219	1 1/2"	1 1/2"	1/2"	1/2"	FAUCET, SS STRAINERS, SUPPLIES, STOPS, TRAP, TAILPIECE, AND ESCUTCHEON PLATES	FAUCET: WRIST BLADE HANDLES AND GOOSENECK FAUCET, 1.5GP ELKAY LKD232SBH5
SK-2	DOUBLE COMPARTMENT SINK, DROP-IN WITH GARBAGE DISPOSAL, 33"X19 1/2" 1/4"X6 1/2"DEEP BOWLS	ELKAY LRADQ312260	1 1/2"	1 1/2"	1/2"	1/2"	FAUCET, SS STRAINERS, SUPPLIES, STOPS, TRAP, TAILPIECE, ESCUTCHEON PLATES AND GARBAGE DISPOSAL	FAUCET: ELKAY LKAV4061 FAUCE 1.5GPM. DISPOSAL: INSINKERATO EVOLUTION ESSENTIAL GARBAG DISPOSAL, 3/4HP, 120V, 8.1AMPS AND ELKAY LK105 DISHWASHER A
SK-3	SINK, STAINLESS STEEL W/ LEGS, TWO COMPARTMENT, 24"x24"x14"DEEP BOWL, 27"x58"LONG	ADVANCE TABCO FS-2-2424	1 1/2"	1 1/2"	1/2"	1/2"	FAUCET, SS STRAINERS, SUPPLIES, STOPS, TRAP, TAILPIECE, WALL HANGER, AND ESCUTCHEON PLATES	GAP. FAUCET: PRE-RINSE SPRAY 1.0GP WALL MOUNT LEVER HANDLES 12 SPOUT, T&S BRASS S-0133-A12-E
							FAUCET, SS STRAINERS,	

			DI	DINIC CON	INECTIONS			
FIXTURE NO.	DESCRPTION	MANUFACTURER & MODEL	S/W	VENT	C.W.	H.W.	ACCESSORIES	REMARKS
TD-1	TRENCH DRAIN, ZURN Z882 CHANNEL SHALL BE 96" LONG, 12" WIDE REVEAL AND HAVE A 9-1/4" THROAT	ZURN Z882	4"	ı	-	-	ABSORBENT HIGH-DENSITY POLYETHYLENE (HDPE), ASTM SPECIFICATION A536-84, GRADE 80-55-06,EIGHT-FOOT HIGH DENSITY FRAME WITH ANCHOR STUDS	-
TG	TRAP GAURD	PROSET	VARIES	-	-	-	-	INSTALL WITHIN ALL FLOOR DRAINS
UR-1	ADA COMPLIANT, URINAL, WALL MOUNTED, VITREOUS CHINA, 0.125GPF REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.	KOHLER BARDON K-4904-ET	2"	2"	3/4"	-	SENSOR FLUSH VALVE, CARRIER	SLOAN ROYAL 186 ESS0125 HARDWIRED SENSOR FLUSH VALVE
WC-1	ADA COMPLIANT, WATER CLOSET, FLUSH VALVE, FLOOR MOUNTED, TOP SPUD, BOTTOM OUTLET, VITREOUS CHINA, 1.28GPF	KOHLER HIGHCLIFF K-96057	4"	2"	1"	-	SENSOR FLUSH VALVE, OPEN FRONT SEAT, CARRIER, PROVIDE WHA-1 AT EACH WATER CLOSET	SLOAN ROYAL 111 ESS-1.28 HARDWIRED SENSOR FLUSH VALVE
WCO	WALL CLEANOUT, BRONZE PLUG AND SS ACCESS COVER	MIFAB C1430	VARIES	-	-	-	-	SIZE TO MATCH SANITARY LINE SIZE, MAXIMUM 4"
WH-1	WALL HYDRANT, ENCASED NON-FREEZE, SATIN NICKEL BRONZE BOX, HINGED WITH LOCKING COVER, VACCUM BREAKER (ASSE 1019)	MIFAB MHY-20-BA	-	-	3/4"	-	-	ORDER LENGTH AS REQUIRED FOR WALL THICKNESS
WHA-1	WATER HAMMER ARRESTOR, PISTON OPERATED	MIFAB MWH	-	-	VARIES	-	-	NO ACCESS DOOR REQUIRED

DLAN	MANUEATURER			STORAGE	GALLONS/HR	CAPAC	ITY	ELEC	TRICAL D		
PLAN DESIGNATION	MANUFATURER MODEL NO.	TYPE	LOCATION	CAPACITY (GAL)	@100° F RISE	INPUT (MBH)	OUTPUT	BREAKER AMPS	VOLTS/ PHASE	HERTZ	NOTES
DHW-1	BRADFORD WHITE EF-100T-300E-3N	GAS FIRED CONDENSING TANK	MEZZANINE	100	335	300	270	15	120/1Ø	60	ALL
-PIPE MOUNT	E THE FOLLOWING STAN ED TEMPERATURE GAU INED WATER TUBES		QUIPMENT:		TAND INTAKE PIPE A ITHE ROOF WITH CO			ENE AND TER	RMINATE		

			HOT WA	ATER RETURN PU	IMP SCHED	ULE (HWRP)							
PLAN	MANUFATURER	SERVICE	LOCATION	TEMPERATURE	TOTAL HEAD	FLOW	POWER	RPM	ELECTRICAL DATA				
DESIGNATION	MODEL NO.	OLIVIOL	LOOAHON	(DEG. °F)	(FT)	(GPM)	(HP)	TXI WI	VOLTS	PHASE	HERTZ	F.L.AMPS	NOTES
HWRP-1	BELL & GOSSETT ECOCIRC XL N 20-35	DOMESTIC WATER	MEZZANINE MECH ROOM	140	8	3	1/12	3250	120	1	60	-	ALL
2. PROGRAM	S STEEL BODY. PUMPS FOR DELTA T CONSTA LECTRICAL DISCONNECT.	NT CONTROL											

		PL	UMBING EX	PANSION TA	NK SCHEDUL	E (PET)				
PLAN DESIGNATION	MANUFATURER MODEL NO.	LOCATION	TANK TYPE	TANK VOLUME (GAL.)	ACCEPTANCE VOLUME (GAL.)	LENGTH (IN.)	DIAMETER (IN.)	INLET (IN.)	FULL WEIGHT (LBS)	NOTES
PET-1	WESSELS TXA 35	MEZZANIE MECHANICAL ROOM	BLADDER	10	10	23.5	12	3/4	40	-

					AIR COMPF	RESSOR SCHE	EDULE (C) - OW	NER PROVIDE	ED						
PLAN ESIGNATION	MANUFATURER MODEL NO.	LOCATION	SERVICE	TYPE	MAX PRESSURE (PSI)	ACFM @ 125 PSI	SYSTEM WORKING PRESSURE (PSI)	DIMENSION LXWXH (IN)	RECEIVER SIZE (GAL)	WEIGHT (LBS)	NOISE LEVEL (dB)	ELEC HP	TRICAL [DATA KW/ VOLTS/ PHASE	NOTES
C-1	INGERSOLL RAND SS5L5	MEZZANINE	MAINTENANCE	RECIPRICATING SPLASH LUBRICATED	175	17.1	90/120	48x40x76	80	500	-	5	28	208/3	SEE BELOW

 CONTRACTOR TO PROVIDE AUTOMATIC DRAIN VALVE. 2. CONTRACTOR TO PROVIDE AIR INLET FILTER.

- 3. COMPRESSOR MOUNTED ON RECEIVER.
- CONTRACTOR tO PROVIDE FLEXIBLE CONNECTOR, SHUTOFF VALVE, FILTER, REGULATOR WITH GAUGE, AND LUBRICATOR ON OUTLET.
 CONTRACTOR TO PROVIDE START-UP KIT (ALL SEASON SELECT LUBRICANT (QUANTITY DEPENDENT UPON SUMP CAPACITY), REPLACEMENT FILTER ELEMENT(S), MSDS SHEET FOR LUBRICANT, AND (1) PROOF OF WARRANTY DECAL).
- 6. PROVIDE INSTALL KIT (KITS INCLUDE A THREE (3) FOOT BRAIDED HOSE WITH NPT SWIVEL CONNECTORS (SIZE MATCHES CONNECTION ON COMPRESSOR), VIBRATION PADS AND FOUNDATION ANCHOR BOLTS).



UNION GROVE, WI 53182

UNION GROVE YORKVILLE FIRE STATION **DESIGN DEVELOPMENT**

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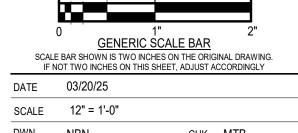
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